

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **07308322 A**

(43) Date of publication of application: **28.11.1995**

(51) Int. Cl. **A61B 17/068**

(21) Application number: **07067019**  
(22) Date of filing: **01.03.1995**  
(30) Priority: **02.03.1994 US 94 204847**

(71) Applicant: **ETHICON ENDO SURGERY INC**  
(72) Inventor: **FOGELBERG MARK**  
**HUGHETT J DAVID**  
**BRADDOCK C KERWIN**  
**BOEHM MICHAEL E**  
**STEFANCHIK DAVID**  
**MURRAY MICHAEL A**

### (54) **STERILE OCCLUSION FASTENER AND INSTRUMENT AND METHOD FOR PLACEMENT THEREOF**

#### (57) Abstract:

**PURPOSE:** To enable a clip to be included at an efficient and closed position until reaching a tissue structure to be sutured to enable use of a small access port and to enable the clip to reduce force required for suture of the tissue structure by endoscopically applying it to the tissue structure.

**CONSTITUTION:** A tissue structure is positioned in jaws 8, 9 of a clip applicator in a first process. Jaws 8, 9 are closed to lock to compress and temporarily occlude the tissue structure by a preset force. When the tissue structure is satisfactorily positioned, a second

stage to proceed clipping through the axis of the clip applicator at the closed position is started. At the end of the clip applicator 1, the clip is slightly opened to capture the previously compressed tissue structure and placed on the tissue structure. Next, the clip is separated from the end of using the apparatus 1.

**COPYRIGHT:** (C)1995,JPO

